

**THE ODISHA STATE POLICE HOUSING & WELFARE CORPORATION LTD.**  
**JANAPATH, BHOINAGAR, BHUBANESWAR - 22**  
[Electrical Division]  
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**PRICE BID FOR THE WORK UNDER SL. NO :- 04 AS PER IFB**

**NAME OF THE WORK :- EXECUTION OF EXTERNAL ELECTRIFICATION WORK FOR POWER SUPPLY TO 18-E (12-E + 6-E) TYPE QUARTERS AT OSAP 3RD BN., KORAPUT IN THE DISTRICT OF KORAPUT.**

**BID REF NO.- 71/PM/ELECT/OPHWC/2023-24**

**NAME &  
ADDRESS  
OF THE  
FIRM**

**SCHEDULE OF WORKS**

Sl. No.	Description of work	Unit	Qty.	Estimated Cost in Rs.	
				RATE IN RS. 2023-24	AMOUNT IN RS.
<b>PART-I</b>	<b>11 KV LINE</b>				
1	11 KV 'V' cross arm(10.2 Kg each)	No.	4	1053.00	4212.00
2	GI Back clamp for 11 KV V Cross Arm	No.	4	104.00	416.00
3	Top F clamp for PSC Pole ,2.9 Kg	No.	4	312.00	1248.00
4	Disc insulator 45 KN (B&S) Polymer	No.	3	1118.00	3354.00
5	11 KV HW fitting (B&S)2 bolted	No	3	169.00	507.00
6	11KV Pin Insulator polymer	No.	14	260.00	3640.00
7	HT stay set complete	No.	1	1365.00	1365.00
8	11KV stay insulator	No.	1	65.00	65.00
9	HT stay clamp (1.9 Kg/Pair)	pair	1	162.50	162.50
10	7/10 SWG stay wire, Grade-2	Kg	10	97.50	975.00
11	Earthing support coil type	No	4	215.80	863.20
12	GI Nuts and Bolts of assorted size	Kg	8	101.40	811.20
13	100x50x6 mm channel for straight cross arm,1.2 Mtr. Each 2 Nos,0.3 Mtr. Long 2 Nos. @9.2 Kg/Mtr.	Kg	27.6	97.50	2691.00
14	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	12	104.00	1248.00
15	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	4.896	97.50	477.36
16	Danger Board	No.	4	104.00	416.00
17	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	1.224	97.50	119.34
18	11 Mtr. Long 160X160 WPB GI pole	No	4	34321.52	137286.08
19	55 sq. mm AAAC	Km	0.0927	39000.00	3615.30
	<b>List of materials for providing 1 Nos. Road/River crossing guarding with 2 Nos. earthing at both sides of guarding.</b>				

20	75x40x6 mm ,GI channel 2.4 Mtr. Long ,2 Nos. for providing support for guarding at 1 No. of Road crossing @ 6.8 Kg/Mtr.	Kg	32.64	97.50	3182.40
21	No.6 GI wire(dia 4.8 mm),40 Kg for 1 Nos. guarding & 20 Kg for 2 nos. earthing at both sides of Road crossing guarding.	Kg	60	97.50	5850.00
22	GI pipe earthing 40 mm dia medium gauge earthing device 3 Mtr. Long	No	2	1365.00	2730.00
23	8 SWG GI wire for cross lacing	Kg	12	97.50	1170.00
24	Eye hook	Kg	4	77.58	310.32
25	Sundries (Paint,Al. binding tape etc.)	LS	1	400.00	400.00
A.Sub Total Rs.					<b>1,77,114.70</b>
B	Stock,storage and insurance (@3% on A)				<b>5313.44</b>
C	TOTAL RS.				<b>182428.14</b>
D	T&P @ 2% of C				<b>3648.56</b>
E	Contingency @ 3% of C				<b>5472.84</b>
F	Transportation @ 7.5% of C				<b>13682.11</b>
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				<b>11172.58</b>
H	TOTAL RS.				<b>2,16,404.24</b>
21	Cement Concrete for stay anchor plate CC 1:3:6 by using 4 cm size HBG metal= 0.45Mtrx 0.45Mtrx1.5 mtr= 0.3037 cum	Nos.	1	1270.00	1270.00
22	Cement Concreting for support with C.C. 1:3:6 by using 4cm size HBG metal= 0.45Mtr.x 0.45Mtrx1.5 mtr= 0.3037 cum	Nos.	4	1270.00	5080.00
31	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	2	1600.00	3200.00
<b>Total Rs.(Part-I)</b>					<b>2,25,954.24</b>
<b>PART-II</b>	<b>100 KVA 11/0.4KV sub station</b>				
1	11 Mtr. Long WPB GI Pole (160x160)	No	2	34321.52	68643.04
2	Pressure Channel (GI)100x50x6mm each 2.8 mtr long, 2 Nos.(9.2K.g/mtr)with Galvanisation	K.g	51.52	97.50	5023.20
3	Transformer mounting Channel(GI) 100x50x6mm channel 2.8 mtr long,2 Nos.(9.2K.g/mtr)with Galvanisation	K.g	51.52	97.50	5023.20
4	AB switch &HG fuse mounting channel(GI)(75x40x6)mm,2.8mtr long 4 No(6.8Kg/mtr)with Galvanisation	K.g	76.16	97.50	7425.60
5	Transformer belting 50x50x6 mm angel 2.8 mtr long,2 Nos.(4.5K.g/mtr)with side angel total 7 Mtr.	Kg.	31.5	97.50	3071.25

6	Angle for mounting LT Distribution Box (50x50x6)mm 1 Mtr. Long 2 Nos.(3.5 Kg/Mtr.)with Galvanisation	Kg	9	97.50	877.50
7	Disc insulator 45 KN (B&S) Polymer	No.	3	1118.00	3354.00
8	11 KV HW fitting (B&S)2 bolted	No.	3	169.00	507.00
9	11KV AB switch( 3 pole,200 Amp,50Hz)	Set	1	9555.00	9555.00
10	11KV HG fuse (3 pole,200 Amp)with PI	Set	1	7956.00	7956.00
11	12KV 10KA LA, Station class	No.	3	4615.00	13845.00
12	LT Distribution box with MCCB, Aluminium Bus bar of 2- bay with Kitkat Fuse for 100 KVA S/S	No	1	31744.70	31744.70
13	LT 3.5 core 150 sq. mm PVC cable(Un-armoured)	Mtr	15	655.20	9828.00
14	HT stay set (Complete)	No.	2	1365.00	2730.00
15	stay Insulator, Type-C	No.	2	65.00	130.00
16	Stay clamp	pair	2	162.50	325.00
17	7/10 SWG GI Saty wire, grade-2	Kg	20	97.50	1950.00
18	GI Pipe earthing 40 Dia Medium gauge 3 mtrs long	No	7	1365.00	9555.00
19	Earthing coil for support	No	2	215.80	431.60
20	No. 6 GI wire for earthing(Dia 4.8 mm)	Kg	70	97.50	6825.00
21	GI nut,bolt & washers	Kg	25	101.40	2535.00
22	100 KVA ,11/0.4 Kv (AL) Transformer BIS Energy Level-II	No.	1	152100.00	152100.00
23	55 sq. mm AAAC	Km	0.02	39000.00	780.00
24	Anticlimbing Device(GI barbed wire 3 Kg per support)	Kg	6	104.00	624.00
25	Back clamp for barbed wire anticlimbing deice 25x3 mm, flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	2.448	97.50	238.68
26	Danger Board	No.	2	104.00	208.00
27	Back clamp for danger Board(25x3 mm) GI earth flat,0.59 Kg/mtr. & 0.51 Mtr. For ech back clamp	Kg	0.612	97.50	59.67
28	Sundries (Al. binding tape, insulation tape, paint etc.)	LS	1	1000.00	1000.00
A.Sub Total Rs.					<b>3,46,345.44</b>
B	Stock,storage and insurance (@3% on A)				<b>10390.36</b>
C	TOTAL RS.				<b>356735.80</b>
D	T&P @ 2% of C				<b>7134.72</b>
E	Contigency @ 3% of C				<b>10702.07</b>
F	Transportation @ 7.5% of C				<b>26755.19</b>
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				<b>24305.31</b>
H	TOTAL RS.				<b>4,25,633.09</b>
29	Cement Concrete for stay anchor plate CC 1:3:6 by using 4 cm size HBG metal= 0.45Mtrx 0.45Mtrx1.5 mtr= 0.3 cum	Nos.	2	1270.00	2540.00

30	Cement Concreting for support with C.C. 1:3:6 by using 4cm size HBG metal= 0.45Mtr.x 0.45Mtrx1.5 mtr= 0.3037 cum+Couping with C.C .1:3:6 using 12 mm size HBG metal= 0.3Mtrx 0.3Mtrx0.45 mtr= 0.0405 cum	Nos.	2	1460.00	2920.00
31	Materials for earthing including massonary work for eathpit & cement plate cover with salt, charcoal etc.	No	7	1600.00	11200.00
32	Fencing and sand & metal spreading 1) RCC Pillar of 6ft Long 2) Cooping of Pillar with C.C 1:3:6 using 40mm HBG metal size 3) GI barbed wire @ 6.044 mtr/kg 6 Nos run=40 ft x 6= 240 ft = 73.152 mtr =12.10 kg 4) MS grill gate 1.5 mtr (h) x 1.5 mtr (w) made of 35x35x6 mm MS angel and 25x6 mm flat (Angel for out side border with horizontal & vertical crossing for i) 35x35x6 mm MS Angel= 1.5 mtr x 4=6@3 Kg/mtr=18 Kg. ii) 25x6 mm flat=1.5 mtrx8x2=24 mtr @ 1.2 Kg/Mtr=28 Kg iii) Painting of gate with 2coat. 5) Filling sand@ 1.359 Cmt 6) 40mm size HBG metal @0.679 Cmt.	No	1	16796.42	16796.42
<b>Total Rs.(Part-II)</b>					<b>4,59,089.51</b>
<b>PART-III</b>	<b>Construction of LT 3ph 5 W line using 3x50+1x35+1x16 sqmm XLPE AB Cable on existing Pole-0.2 Km Construction of LT 3ph 5 W line using 3x50+1x35+1x16 sqmm XLPE AB Cable using 9 Mtr. Long 300 KG PSC Pole-0.350 Km</b>				
1	L.T Stay set (Complete )	Set	4	676.00	2704.00
2	L.T Stay Insulator	No.	4	39.00	156.00
3	L.T Stay Clamp(1.4 K.g/Pair)	Pair	4	143.00	572.00
4	7/12 SWG Stay Wire	Kg	32	97.50	3120.00
5	Suspension clamp with I Hook for ABC	No.	13	442.00	5746.00
6	Eye Hook for XLPE AB Cable	No.	6	78.00	468.00
7	Dead end clamp suitable for XLPE cable	No	6	84.50	507.00
8	Pole clamp for eye Hook for AB cable	pair	19	260.00	4940.00
9	Neutral connector ,Type-B suitable for main 35-70 sq. mm AAAC & Tap-2.5 to10 sq. mm service cable cover by black weather resistant insulation cover.	No	2	42.90	85.80
10	Insulated Piercing connector ,Type-A main 16-95 sq. mm & Tap-16 to 95 sq. mm	Mno	8	104.00	832.00
11	GI Nuts and Bolts of assorted size	Kg	22	101.40	2230.80
12	3x50+1x35+1x16 sqmm LT XLPE AB Cable	Km	0.58	182000.00	105105.00
13	8 Mtr. Long 200 KG PSC Pole	No	10	2600.00	26000.00
14	Earthing device coil type(GI)	No	10	215.80	2158.00
15	GI base plate(500x500x10 mm)	No	10	1950.00	19500.00
16	Danger Plate	No	10	104.00	1040.00
17	Sundries (paint, binding tape etc.)	LS	1	700.00	700.00
<b>A.Sub Total Rs.</b>					<b>1,75,864.60</b>
B	Stock, storage and insurance (@3% on A)				<b>5275.94</b>

C	TOTAL RS.				<b>181140.54</b>
D	T&P @ 2% of C				<b>3622.81</b>
E	Contingency @ 3% of C				<b>5434.22</b>
F	Transportation @ 7.5% of C				<b>13585.54</b>
G	Erection charges @ 10% on others ,5% on Dist. Transformers/Joist Pole/WPB Poles and 20% on PSC poles				<b>20791.99</b>
H	TOTAL RS.				<b>224575.10</b>
18	Cement Concrete for stay anchor plate CC 1:3:6 by using 4 cm size HBG metal= 0.45Mtrx 0.45Mtrx1.5 mtr= 0.3 cum	Nos.	4	1270.00	5080.00
19	Cement Concreting for support with C.C. 1:3:6 by using 4cm size HBG metal= 0.45Mtr.x 0.45Mtrx1.5 mtr= 0.3037 cum	Nos.	10	1270.00	12700.00
	<b>Total Rs(PART-III)</b>				<b>242355.10</b>
	Total Estimated Cost				<b>9,27,398.84</b>
	Total Estimated Cost in Figures				<b>9,27,399.00</b>
EXCESS	<input type="checkbox"/> LESS <input type="checkbox"/> (Please Tick)				_____ %
	Quoted Amount in Figure				
	Quoted Amount in word				

N:B- The Estimated cost is exclusive of GST .

**Signature of Tenderer with seal**

Sd/-  
Asst. Project Manager (Elect)

Sd/-  
Asst. Project Manager (Elect) (Hqr)

Sd/-  
Project Manager(Elect.)